

Technical Data Sheet

Coding	series 700
PUT700 Polyurethane Alkyd Wood Finishing Clear Gloss	
PUT705 Polyurethane Alkyd Wood Finishing Clear 50% Gloss	
PUT703 Polyurethane Alkyd Wood Finishing Clear 30% Gloss	
PUT701 Polyurethane Alkyd Wood Finishing Clear 10% Gloss	
Brand Name	WOODLAC
Color	Transparent When Sprayed
Chemistry	Polyurethane Alkyd
Hardener	HDS700
Hardener NY	HDA

COMPOSITION AND APPLICATION FIELD

PUT 7 is A Polyurethane Alkyd solvent base Top Coat clear System Selected from High Quality Raw Material ,it has a very good clearance , with high levelling and flow properties resulting a mirror smooth touch for gloss if sprayed with good equipment .

PUT 7 is Available in different gloss Appearance and physical aspect starting from 5% reaching 100% gloss rate on 60° Gloss Measuring Standard .

PUT 7 is one of the best solution for wood coating system where Mechanical resistivity conditions are required with different gloss and effect property. However the result will always differ from the selection of the primary coat used and quality of solvent in which PUT 7 is diluted .

Application Field For PUT 7:

Veneer and timber massive wood ,Birch ,Oak, Wenge ,Cherry ,Rose wood etc...

PUT 7 has an excellent property to keep hard resistible to chemicals the physical appearance of the substrate on which the application Coating is done.

PS -For Several application oxidisers might be a good solution to avoid yellowing resulting from conventional alkyd Polyurethane systems aspect on some special cases like woods bleached etc.. (oxidisers like Hydrogen Peroxide and others...)

PUT 7 if use with the right hardener HDT700 will have Non Yellowing property for gloss and HDAT700 For Non Yellowing matt version .

PUT 7 is considered to be a part of a wood finishing system and applied over ACS .700 which is an Polyurethane Alkyd clear base coat.

PUT 7 might be as well a good solution if applied over stained veneer or timbers where extreme hardness and non yellowing conditions are needed if used with appropriate hardeners and diluents PU7

PUT 700 present hard film property to be able to resist to mechanical resistivity situations.

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Gloss appearance of AC7

PUT701	10±3% GLOSS
PUT703	30±5% GLOSS
PUT705	50±5% GLOSS
PUT707	70±5% GLOSS

APPLICATION

CHEMISTRY

CATALYST TYPE FOR PUT701/3/5/7	HDS700
CATALYST TYPE FOR PUT700	HDT700

FOR NY Application :

CATALYST TYPE FOR PUT701/3/5/7	HDAT701
CATALYST TYPE FPR PUT700	HDAT700

APPLICATION PREPARATION

CATALYST VOLUME

50%

POT LIFE 6 hrs. at 26°C

THINNING

For conventional spray Application with PU 7 thinner 15-20%

For Airless air assisted Application with PU 7 thinner 5-10%

For Curtain Application systems : with PU thinner 10/15%

In hot humid climate an addition of 3 to 5 % of OX7 is recommended upon working need

TECHNICAL CHARACTERISTICS

PHISICAL PROPERTIES

Specific gravity for PUT70X/1/3/5/7	0.98	(±0.003)	Kg/l
Specific gravity for PUT700	0.98	(±0.03)	Kg/l
Visc. Ford 8/25°C	30	(± 5)	Sec
PUT701/2/3/5/7			
Base solid by packed volume	48%	(±2%)	
Hardener solid by packed volume	HDS700	28% MATT	(±2%)
PUT700			
Base solid by packed volume	48%	(±2%)	
Hardener solid by packed volume	HDT700	30% GLOSS	(±2%)
Flash Point	21°C		

APPLICATION RATE9 m²/kg (each coat)overspray not considered

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DRYING at 25°C

Dust free	15 min PUT7 /1/3/5/7.
	20 min PUT700
Touch drying	30 min .
Deep drying	Over night

On serial batch coating systems it is always recommended to check all the parameters on a small test application before starting any coating cycle .

Appearance characteristics in dry state

Gloss 60° varies according product nature 5/10/30/50/100 (ASTM D523/67)

Mechanical properties

Hardness 24HR	Good for matt version
Hardness 24HRS	Rigid for full gloss version
Scratch resistance	Very good

Preparation Manual

PUT 7 Series are normally used for substrate and wood timber and veneer to be placed indoor wood furniture and decorative panels and has an excellent weather resistivity in case used on our complete system with our ACS700 sealer clear in that case system can transmit a natural look of wood ,or it can be slightly stained to give special appearance upon working need.

Substrate must be sanded and stained if needed than sealed by our ACS 700 ,Sand papering it properly and apply AC7 with number of coats recommended :one mist and 2 coats more coats can be applied in case needed

For open pore increase thinning dilution and apply accordingly .

APPLICATION METHODS

Spray application : conventional Spray suction 1.8/2.0mm /5bar -Gravity cup gun 1.4mm/3.5bar-Airless air assisted systems nozzles 0.011” /70-90bar

Curtain systems : Dilution must be respected with our PU 700 thinner to keep viscosity steady and avoid any problem in application .

PACKED IN :1Lit & 5 Lit & 25 Lit .

STORAGE Product filled in a well sealed pail or gallon with 12months shelve life from production date at 23°C

Disclaimer :

The Data Given in this data sheet is all based on our Laboratory test and does not reflect in any case the reality of the field where the goods will be applied and did not take into consideration any parameters related to the application field that may differ and give different results as stated above because of several differed parameters .however the producer is not responsible of any harm of health and property damage resulting from the application of this product if not followed by our instruction and technical support .The producer is not responsible to supervise or follow the end user or a third party nor to guarantee the application of the product his roll only limited in case asked to give recommendation and technical support .All product sold as per our standards and it is the result of test and field experience however it cannot cover systematically all the requirement of several fields needed by the user.

Some tests may vary according to several parameters and does not match pre-stated values in this data sheet .

Content of this data sheet may be modified or cancelled without prior notice

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